

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

None of work: Estimate for Desilting and Removing and Resetting of BS Slab, Debris Clearing and Maintenance of Culverts in Ward No. 05 Surrounding Area Byatarayanapura Sub Division

		Estimate Cost Rs.						2000000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Repair of Jakkur Govt Hospital Building								
1	KSRB 14.10.1 : Flooring with 25mm to 40mm thick polished tandur blue stone slabs using mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Page No. 109/ Item No. 14.15 / PWD SR 2011-12	Sqm							
			1	6.00	6.35		38.10		
			1	3.78	6.35		24.00		
			1	4.65	4.90		22.79		
			1	1.35	1.70		2.30		
	Skirting		2	6.00	0.10		1.20		
			2	6.35	0.10		1.27		
			2	3.75	0.10		0.75		
			2	6.35	0.10		1.27		
			2	4.65	0.10		0.93		
			2	4.90	0.10		0.98		
			1	1.35	0.10		0.14		
			2	1.70	0.10		0.34		
							94.06		
	For Dedection Toilet Area		1	1.75	1.75		3.06	1129.96	10282.8 = 00
	Blacnce Qty						91.00	810.22	73727.00
	Basic Rate								
	Area Weightage @ 6%								
	Total								
2	KSRB 14.14-5: providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. Page No. 113/ Item No. 14.36-1 PWD SR 2011-12	Sqm							
			1	1.50	1.50		2.25		
			1	1.30	1.55		2.02		
			1	1.80	1.55		2.79	1191.44	8412 = 00
							7.06	800.13	5645.00
	Basic Rate								
	Area Weightage @ 6%								
	Total								

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. Page No. 114/ Item No. 14.41 / PWD SR 2011-12 <i>14.41.1</i>	Sqm							
			4	1.50	1.90		11.40		
			2	1.30	1.90		4.94		
			2	1.55	1.90		5.89		
			2	1.80	1.90		6.84		
			2	1.55	1.90		5.89		
							34.96		
	Deduction for Openings		4	0.75	1.90		5.70	<i>1037.74</i>	<i>30364.00</i>
	Blance Qty						29.26	<i>900.45</i>	<i>26347.00</i>
	Basic Rate								
	Area Weightage @ 6%								
	Total								
4	"SOLID PANEL PVC DOOR SHUTTER" Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm from styles and 15x15mm for top & bottom rails, covered with heat moulded PVC 'C' channel of 5mm thick sheet & 30 x 50 mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in charge fixed to frames with 3 nos of 75m.m. Aluminium hinges. Page No. 62/ Item No. 9.83/ PWD SR 2011-12 <i>57</i>	Sqm							
			3	0.75		1.95	4.39	<i>3365.5</i>	<i>14775.00</i>
							4.39	<i>2007.64</i>	<i>8809.00</i>
	Basic Rate								
	Area Weightage @ 6%								
	Total								

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 124/ Item No. 15.53 / PWD SR 2015-16	Sqm							
	Out Side walls		2	15.55	4.50		139.95		
			2	7.95	4.50		71.55		
							211.50		
	Deduction For Main Door								
			0.5x1	1.95		1.95	1.90		
			0.5x8	0.90		1.15	0.52		
			0.5x4	0.30		0.60	0.09		
							2.51	67.84	14178
	Blance Qty						208.99	47.70	9969.00
	Basic Rate		45.00						
	Area Weightage @ 6%		2.70	3.84					
	Total		47.70	67.84					
6	KSRB 2-1.1: Earth work in surface excavation in <u>ordinary soil</u> for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification No KBS 2.1(a) / 2.3.1, P. No. 5/ Item No. 2.1/ PWD SR 2015-16	cum							
	Desilting of Drains								
			2X10	150.00	0.35	0.30	315.00		
			2X7	200.00	0.35	0.30	294.00		
			2X2	180.00	0.35	0.30	75.60		
			2X9	200.00	0.35	0.30	378.00		
			2X9	60.00	0.40	0.30	129.60		
							1192.20	159.84	190561.00
	Basic Rate	148.00							
	Area Weightage @ 8%	11.84							
	Total	159.84							
7	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in <u>Hard soil</u> not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Culverts		6	6.20	1.95	1.05	76.17	288.36	21964
							76.17	264.60	20154.00
	Basic Rate		267.00						
	Area Weightage @ 8%		19.60	21.36					
	Total		264.60	288.36					
8	Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32/ PWD SR 2015-16	Sqm							
			2X5	130.00	1.65		2145.00		
			2X10	64.00	1.65		2112.00		
							4257.00		
							851.40		
	Deduct 20% Missing Slabs						3405.60	63.72	217005
	Basic Rate		59.00						
	Area Weightage @ 8%		4.72						
	Total		63.72						
9	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2015-16	Sqm							
							Qty Vide Item No.3	3405.60	
							3405.60	78.84	268498.00
	Basic Rate		73.00						
	Area Weightage @ 8%		5.84						
	Total		78.84						
10	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2015-16	Sqm							
							851.40		
	For Missing Slabs						851.40	663.12	564580.00
	Basic Rate		614.00						
	Area Weightage @ 8%		49.12						
	Total		663.12						
11	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	Cum							
			6	6.20	1.95	0.15	10.88	5070.60	55168
	For Culverts						10.88	4847.04	52741.00
	Basic Rate		4488.00						
	Area Weightage @ 8%		359.04	375.6					
	Total		4847.04	5070.60					

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in <u>foundation</u> with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2014-15	cum							
	For Culverts		6X2	6.20	0.60	0.45	20.09	4135.32	83079
							20.09	3836.16	77061.00
	Basic Rate							3552.00	
	Area Weightage @ 8%							284.16	366.32
	Total							3836.16	4135.32
13	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in <u>basement</u> with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2014-15	Sqm							
	For Culverts		6X2	6.20	0.50	0.45	16.74	4905.36	82116
							16.74	4542.48	76041.00
	Basic Rate							4206.00	
	Area Weightage @ 8%							336.48	363.36
	Total							4542.48	4905.36
14	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2014-15	Sqm							
	For Culverts		6	6.20	0.60		22.32		
	For Sides		6X2	6.20	0.23		17.11		
			6X2	1.65	0.23		4.55	270.00	11877
							43.99	260.28	11449.00
	Basic Rate							241.00	
	Area Weightage @ 8%							19.28	20.00
	Total							260.28	270.00
15	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix <u>1:3:6</u> with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2014-15	cum							
	For Culverts		6X2	6.20	0.50	0.10	3.72		
	Vent Bed		6	6.20	0.60	0.10	2.23	5491.80	32676
							5.95	5287.68	31472.00
	Basic Rate							4896.00	

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	391.68	406.80						
	Total	5287.68	5491.80						
16	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2014-15	Sqm							
	For Culverts	6X2	6.20			0.50	37.20	99.36	3676
							37.20	91.80	3415.00
	Basic Rate	92.00							
	Area Weightage @ 8%	6.80	7.36						
	Total	91.80	99.36						
17	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	For Culverts	6	6.20	1.65	0.23		14.12	6198.12	87517
							14.12	6065.28	85626.00
	Basic Rate	5739.00							
	Area Weightage @ 8%	449.28	459.12						
	Total	6065.28	6198.12						
18	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2014-15 Fe 500	Qtl							
	0.65Ton/Cum	64635	0.070	14.12			0.99	69805.80	77429.00
	Basic Rate	72548.00							69108
	Area Weightage @ 8%	5803.84	5170.80						
	Total	78351.84	69805.80						

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No. 123, 139)	Cum							
							Qty. Vide Item No. 1	1268.37	72.12 92743
	Average Weight of Earth 1.28 Ton/Cum						1268.37	62.20	78892.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12	✓						
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	68 = 133	62.20						
	Total	67.32	73.12						
20	For Electrical Fittings to Jakkur Govt Hospital Building	L/s							29000 100000
							Grand Total	1979421.00	1979421.00
21	For 1% Third Party Inspection Charges							19801.56	19794.00
22	Miscellaneous Charges	L/S						56	785
s							Total		2000000.00

Rup

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2015-16
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer

Byatarayanapura Division

Assistant Executive Engineer

Byatarayanapura Sub Division

B.B.M.P. Bangalore

Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Administrative

Accorded
Head
GER

2000000/-
P-1771
SIA Dt: 14.12.15

TECHNICAL SANCTION

Accorded For Rs. 20,000,000
Head of Ac. P-1771
Div. Ref. No. 219/15-16 Date 14.12.15

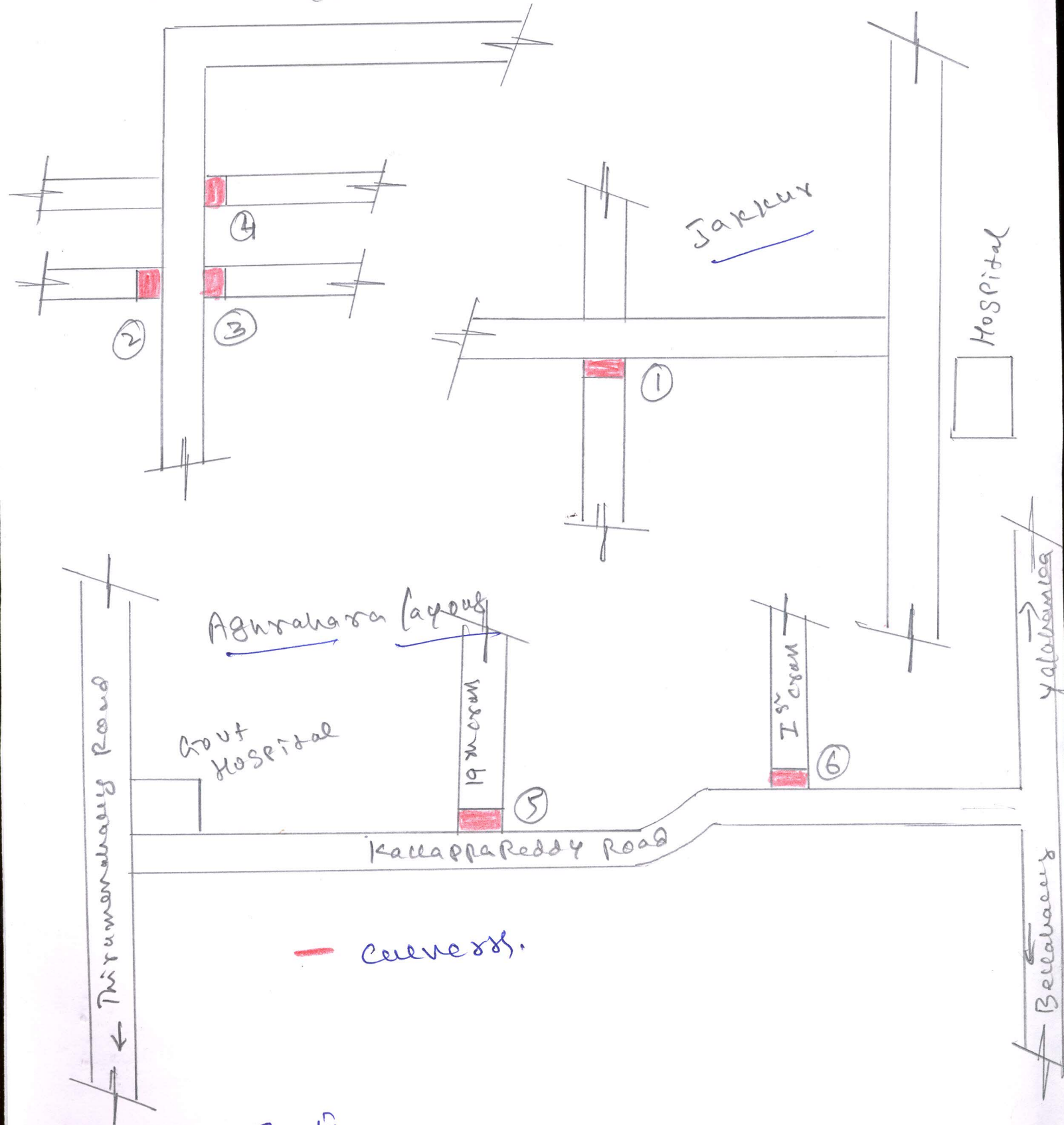
AE

EE(BTP)

Desilting and removing of BS Slag during cleaning and maintenance of Culverts in Ward no 05 surrounding Area

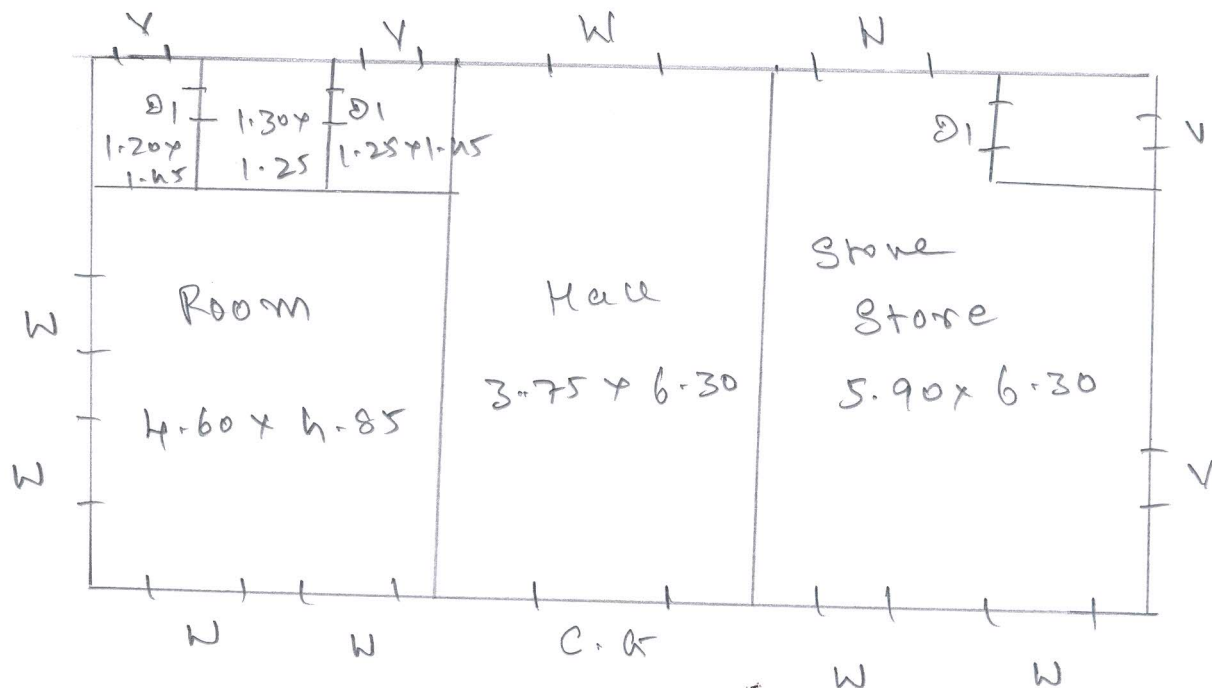
Bhatnagarapur Sub Division
Babannagara.

2nd Main 2nd cross



ಕರ್ನಾಟಕ ಅಭಿವೃದ್ಧಿ ಸಚಿವರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಿಯನಪುರ ಉಪ ವಿಭಾಗ

Designing and removing of BS slab Definit cleaning
and maintenance of manholes in Ward no. 05 Surrounding
Area Byatarayanaqura Sub division



C. H. - 141.95 x 2.00

ಕರ್ನಾಟಕ ಅಭಿವೃದ್ಧಿ ಇಲಾಖೆ
ಇ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ